Figures for SAPFLUXNET data paper

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## Figures

### Figure 1. Data workflow

### Figure 2. Geographic, bioclimatic and veg type coverage

* 1. world map, b) biome plot, c) pft distribution
* TODO: world map is also shown in fig 3. Maybe go back to original idea of showing first the geographical distribution (now fig 3), then in another figure show biome and pft distribution.

### Figure 3. Detailed geographic distribution.

* The idea of this was to get rid of the global map, so it would not repeat somehow fig. 2. See comment on fig. 2 …

### Figure 4. Taxonomy.

* Major improvements by Víctor

### Figure 5. Sap flow methods and measurement level.

### Table 1. Calibrations

### Table 2. Whole-plant integration of sap flow data.

### Figure 6. Site and plant level attributes

* TODO: add titles to labels a) stand, b) plant, gymno/angio.

### Figure 7. Datasets duration and period

* Major improvements by Víctor

### Figure 8. Temporal patterns

* TODO: add titles to labels: a) ESP\_CAN, Mediterranean, b), c

### Figure 9. Environmental variables

### Figure 10. Scaling.



Figure 1. Data workflow.

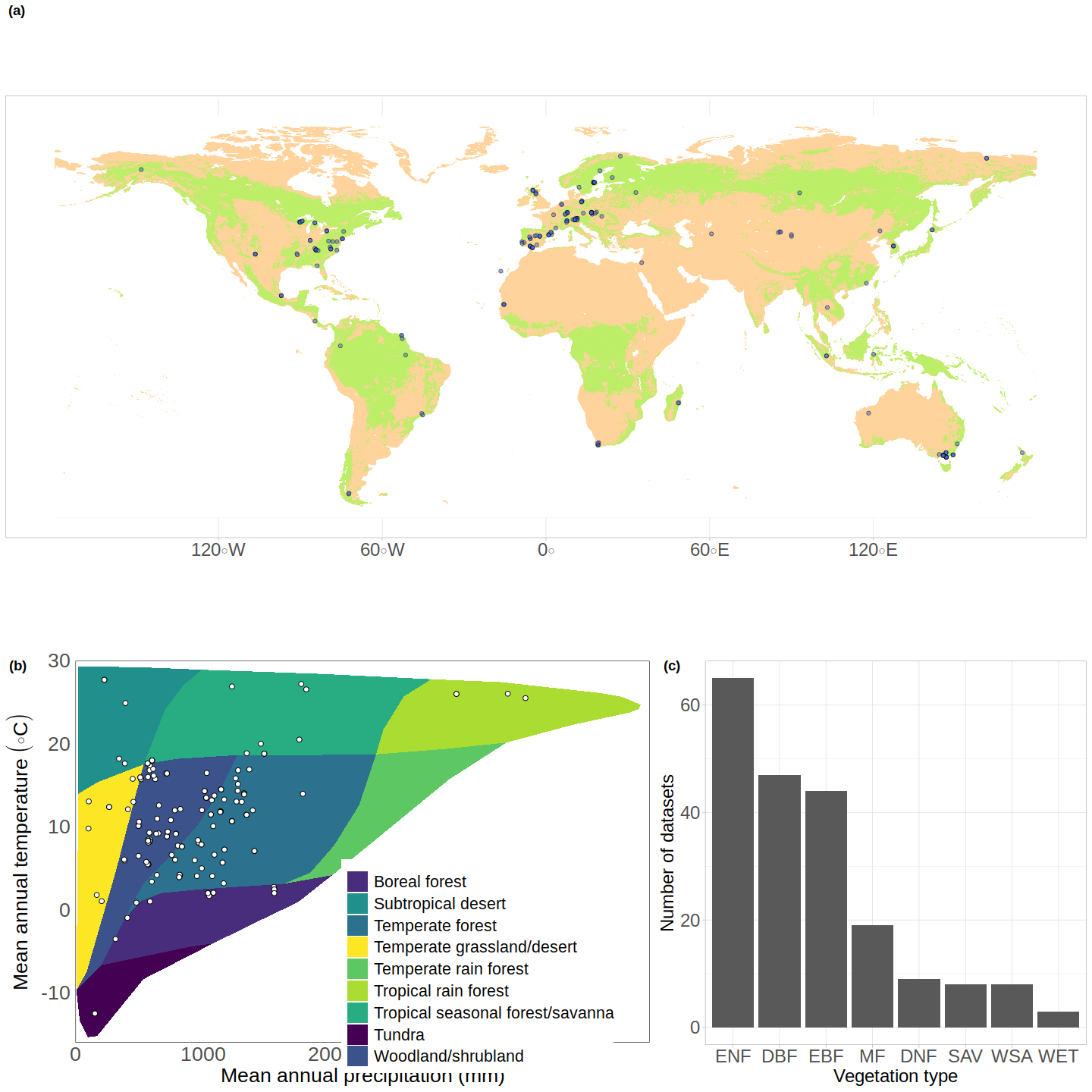
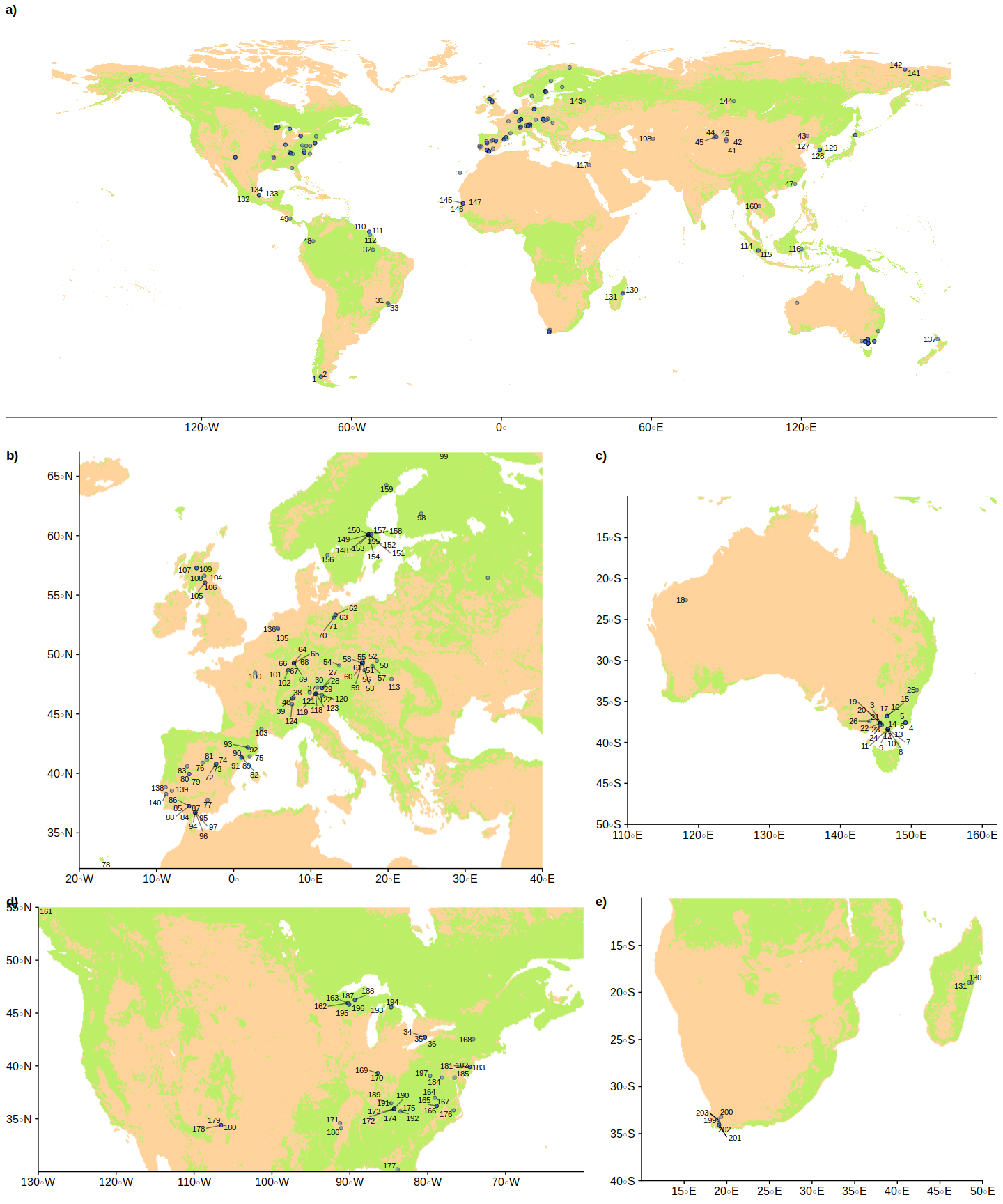
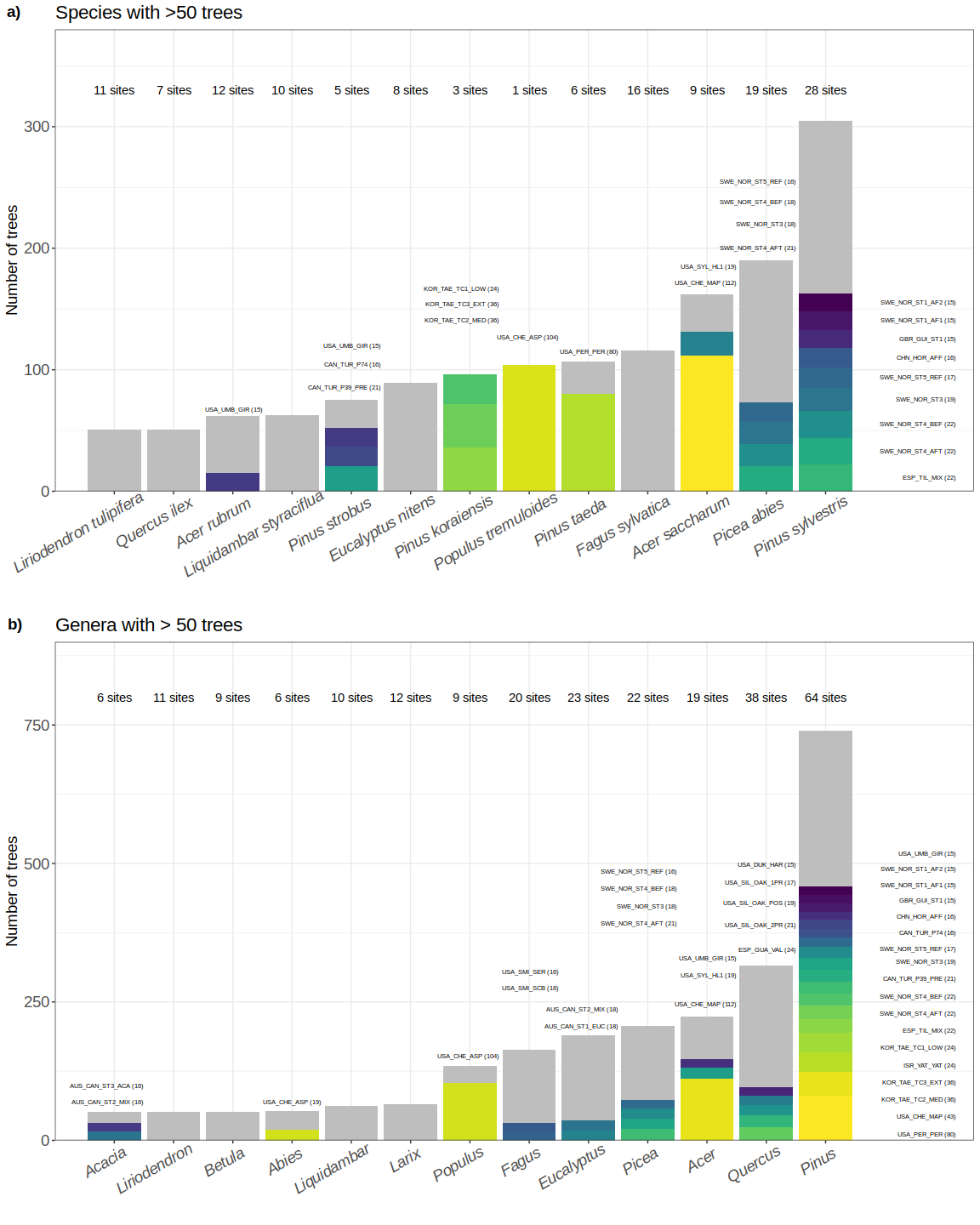


Figure 2. Geographical distribution of SAPFLUXNET datasets.

 Figure 3. Detailed geographic distribution.

## Joining, by = "genus"Joining, by = "sp\_name"

 Figure 4. Taxonomic distribution of genera and species in SAPFLUXNET, showing (a) genera with > 50 trees and (b) species with > 30 trees in the database.

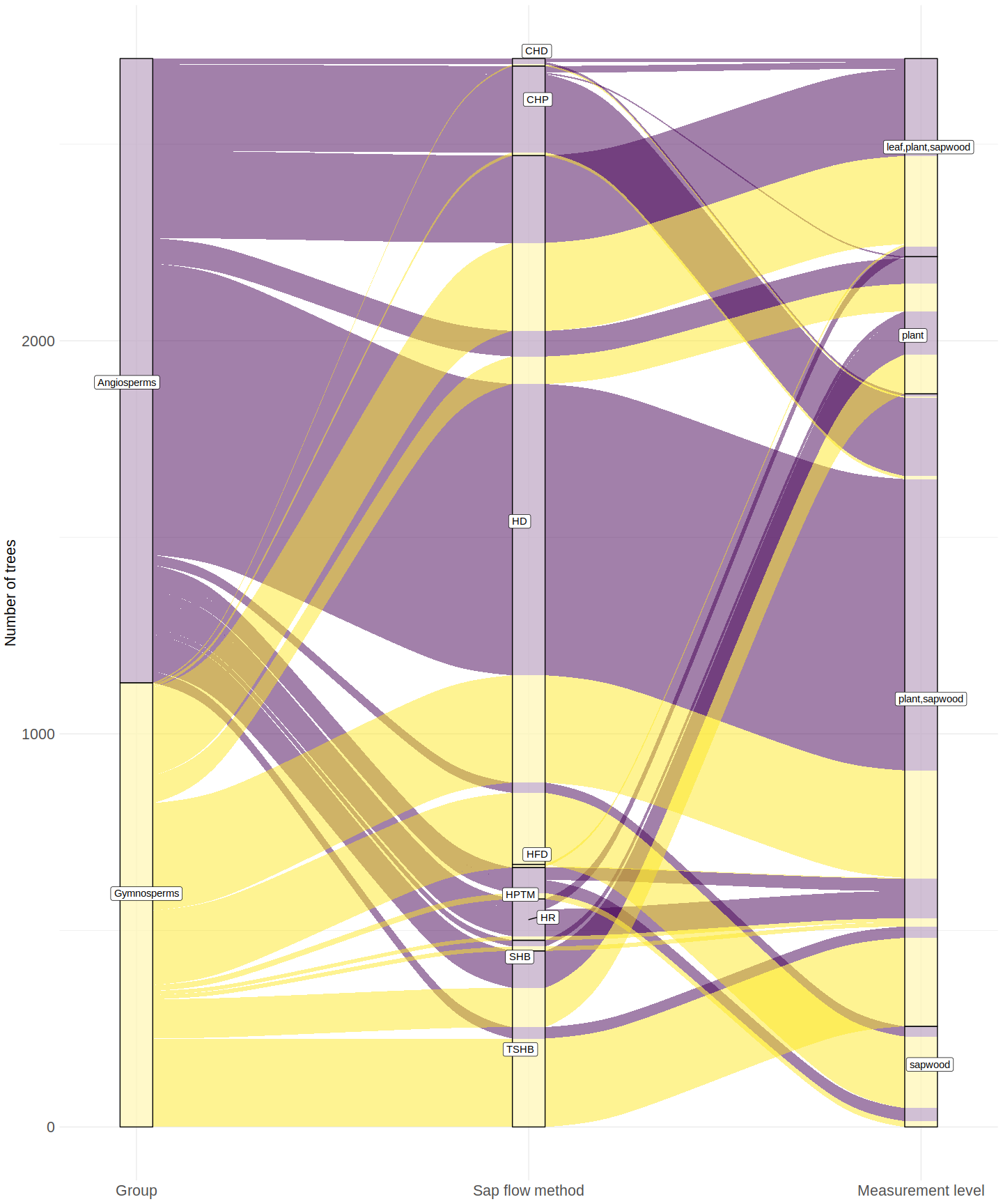


Figure 5. Distribution of trees in SAPFLUXNET according to sap flow method and measurement level.

Table 1. Number of sap flow times series in SAPFLUXNET with species-specific calibrated data

| Method | Calibrated | Non-calibrated | Not provided | % calibrated |
| --- | --- | --- | --- | --- |
| CHD | 6 | 13 | 0 | 46.2 |
| CHP | 29 | 42 | 157 | 14.6 |
| HD | 214 | 1491 | 98 | 13.5 |
| HFD | 0 | 8 | 0 | 0.0 |
| HPTM | 0 | 80 | 0 | 0.0 |
| HR | 3 | 55 | 47 | 2.9 |
| SHB | 0 | 27 | 0 | 0.0 |
| TSHB | 7 | 437 | 4 | 1.6 |

Table 2. Number of trees using different radial and azimuthal integration approaches, for the different sap flow methods

|  | **Radial correction** | | | | | **Azimuthal correction** | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Method | Measured | Sensor-integrated | Corrected, measured radial variation | No radial correction | Not provided | Measured | Sensor-integrated | Corrected, measured azimuthal variation | No azimuthal correction | Not provided |
| CHD | 0 | 0 | 6 | 13 | 0 | 15 | 0 | 0 | 0 | 4 |
| CHP | 222 | 0 | 6 | 0 | 0 | 61 | 0 | 0 | 167 | 0 |
| HD | 77 | 3 | 645 | 703 | 142 | 216 | 0 | 520 | 1021 | 46 |
| HFD | 2 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 8 | 0 |
| HPTM | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 80 | 0 |
| HR | 57 | 1 | 42 | 3 | 2 | 7 | 0 | 2 | 88 | 8 |
| SHB | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 |
| TSHB | 0 | 342 | 8 | 89 | 9 | 0 | 29 | 191 | 219 | 9 |



Figure 6. Plant and stand attributes

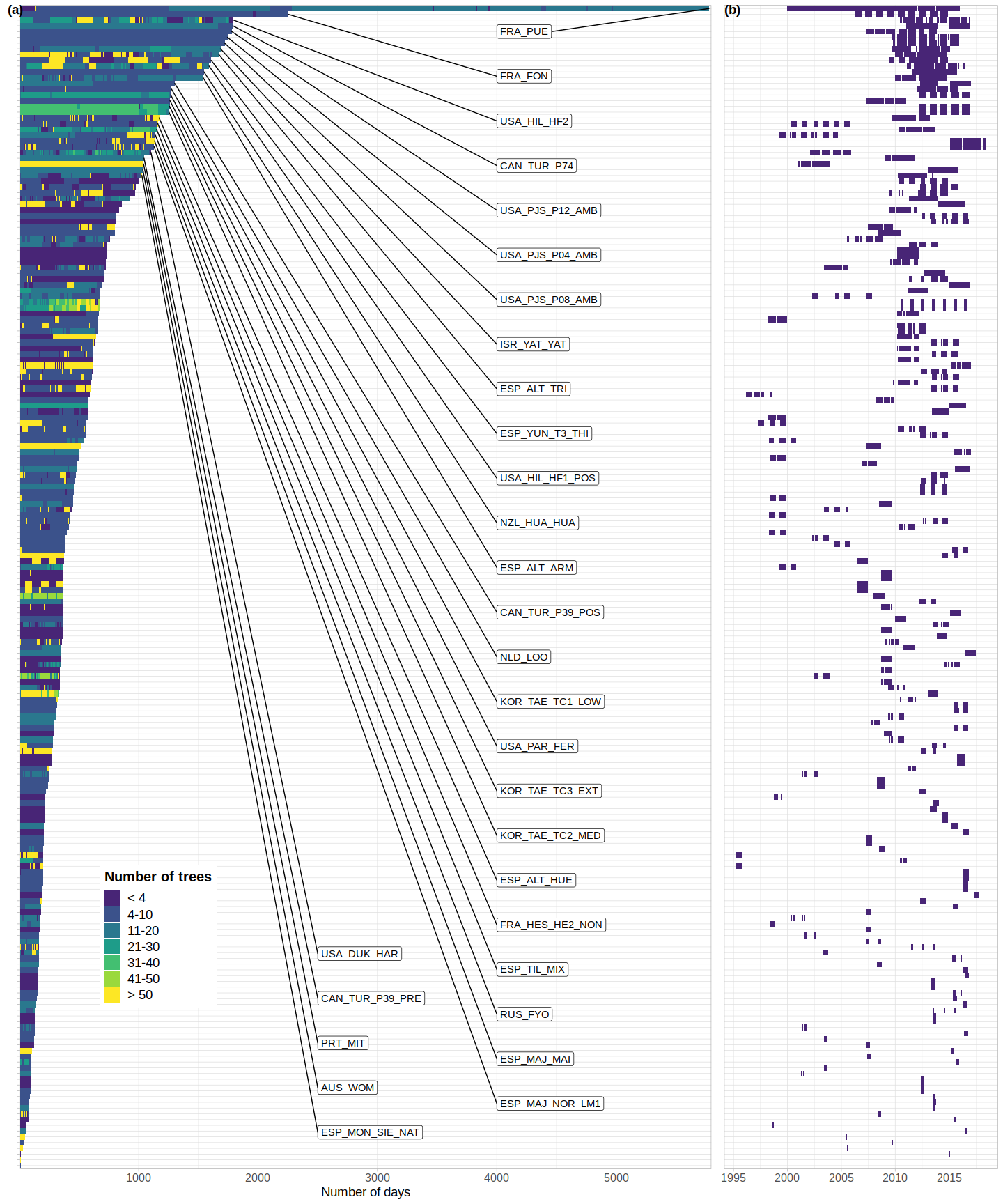


Figure 7. Datasets duration and period

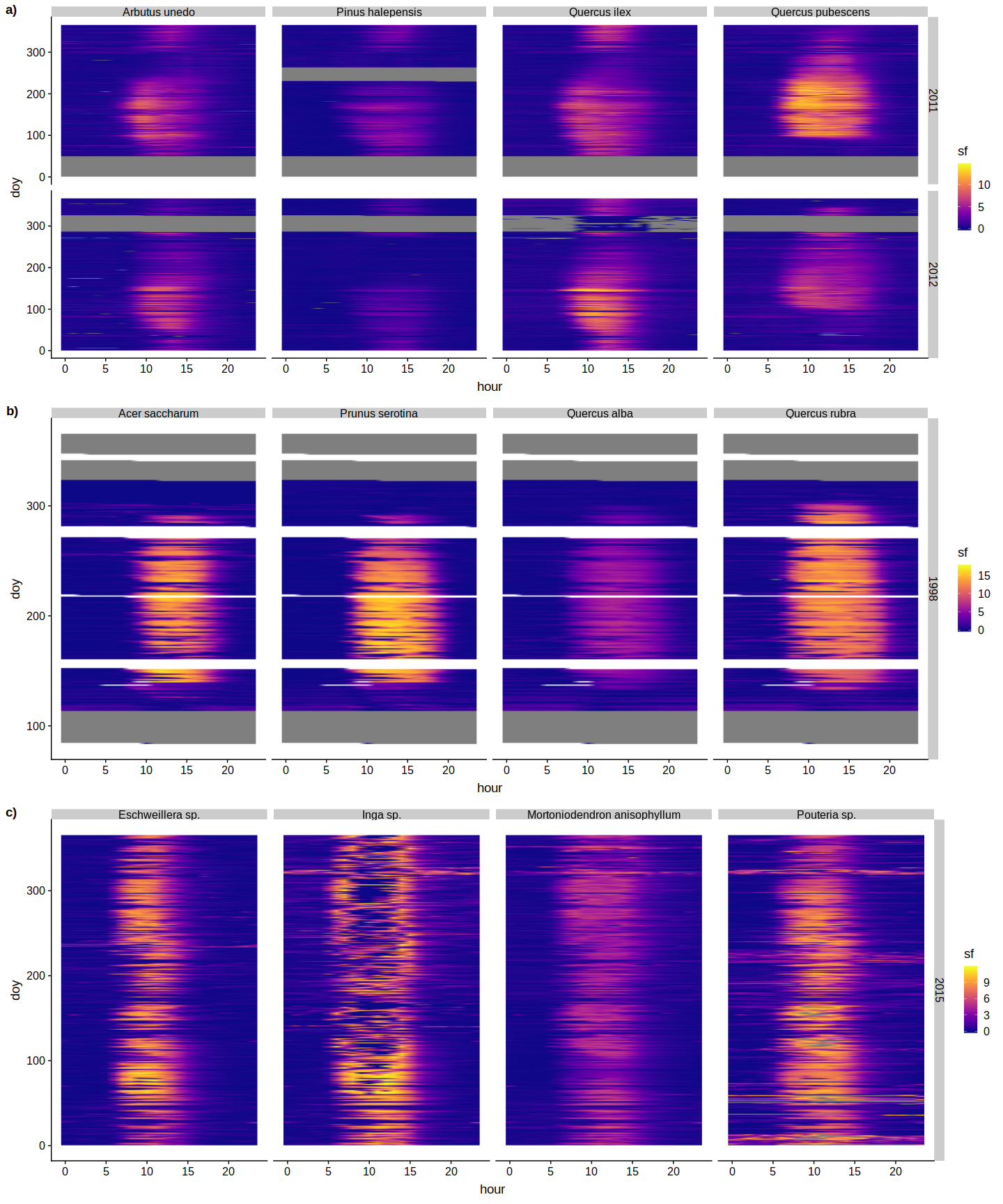
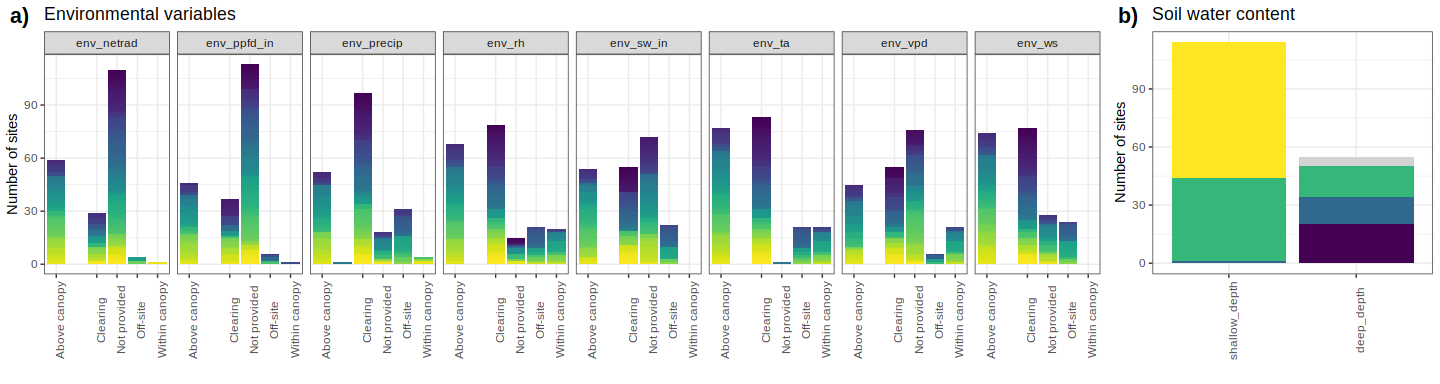


Figure 8. Temporal patterns.

Figure 9. Environmental variables





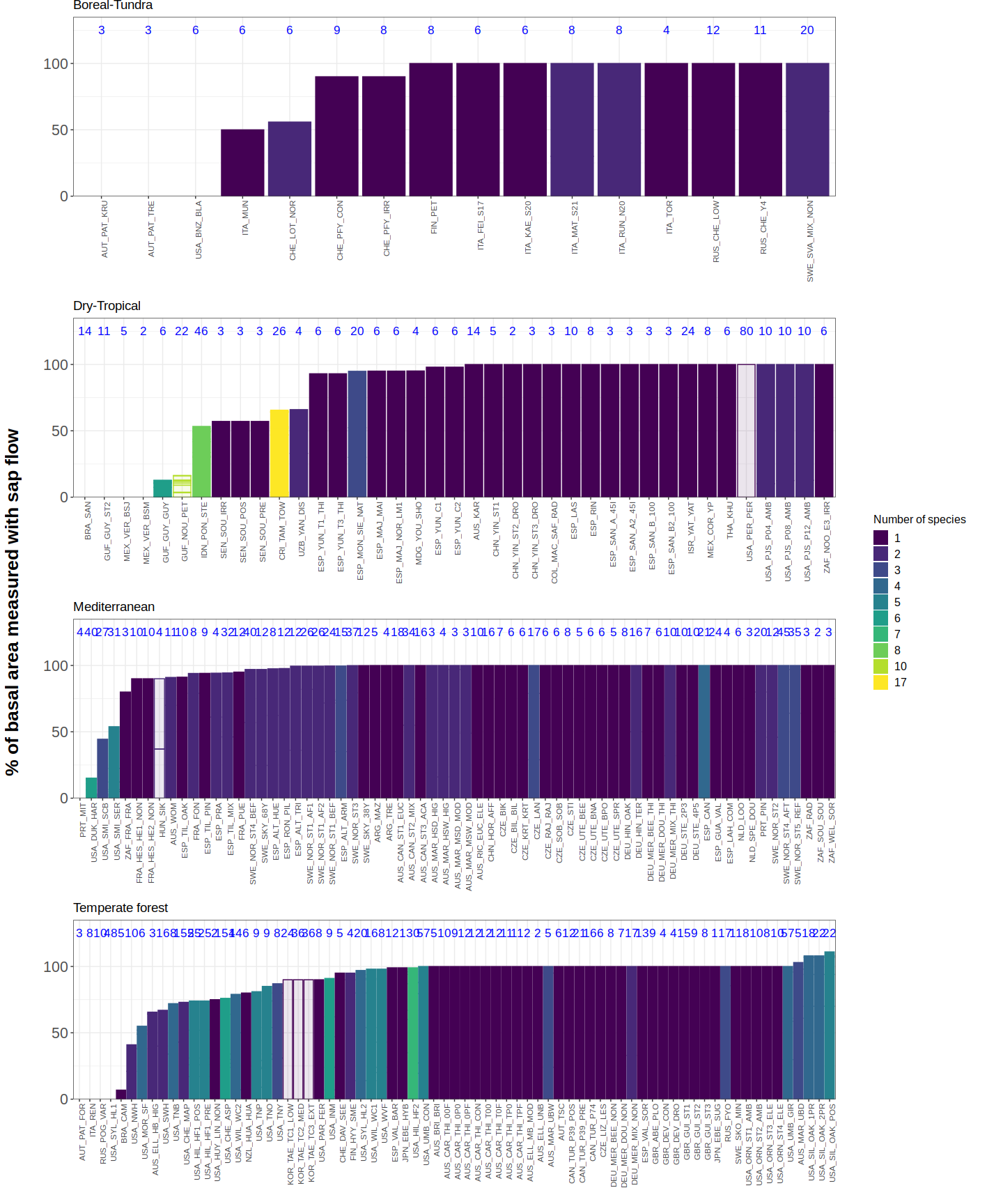


Figure 10. Basal area scaling

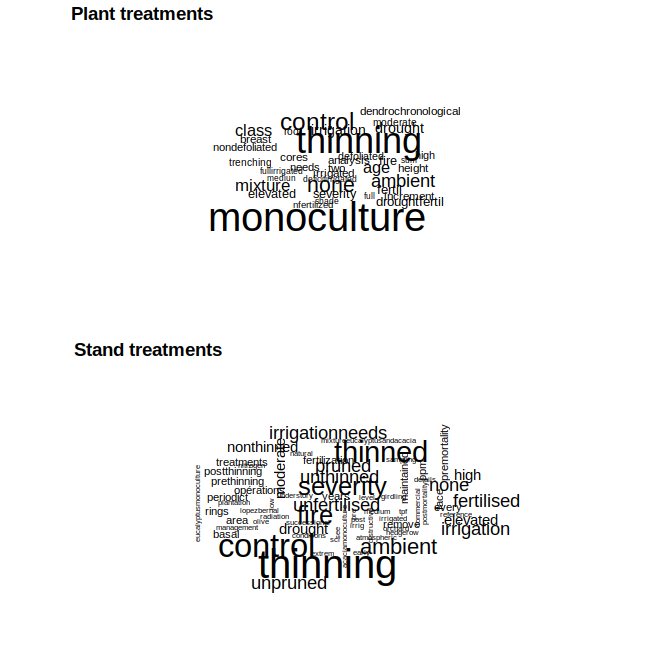


Figure 11. Treatment wordclouds